

## CLAIM LISTING

### Please amend the Claims as follows:

This listing of claims will replace all prior versions, and listing, of claims in the application:

*Applicant has made a good faith effort to list each and every prior claim, including any amendments or changes thereto (or status thereof) in this "Listing" section, however, should there be any discrepancy between the previous version of a claim (or status thereof) and the listing not explicitly amended, canceled or otherwise changed by this amendment, only the previous version (and status thereof) should be referred to as the intent of the Applicant.*

### Listing of the Claims:

1. (Original) A switching device for selectively applying one of two different voltage supplies to a common node, a first of said voltage supplies being coupled to said common node by a first switch and a second of said voltage supplies being coupled to said common node by a second switch, said switching device comprising:

(a) a feedback network comprising a high-pass filter that filters a signal at said common node and that outputs said signal having been filtered as a feedback signal;

(b) a timing controller coupled to at least one of said first and second voltage supplies, that determines when to switch between said first and second voltage supplies;

(c) a ring switch controller that applies a first control signal to said first switch for selectively enabling and

disabling said first switch in response to said timing controller and said feedback signal; and

(d) a battery switch controller that applies a second control signal to said second switch for selective enabling and disabling said second switch in response to said timing controller and said feedback signal.

2. (Original) A switching device as defined in claim 1, wherein said first voltage supply is an alternating current (AC) voltage supply and said second voltage supply is a direct current (DC) voltage supply.

3. (Original) A switching device as defined in claim 2, wherein said timing controller is coupled to said AC voltage supply.

4. (Original) A switching device as defined in claim 3, wherein said timing controller is further coupled to said DC voltage supply and said common node.

5. (Original) A switching device as defined in claim 3, wherein said first switch comprises two serially coupled transistors.

6. (Original) A switching device as defined in claim 3, wherein said second switch comprises two serially coupled transistors.

7. (Original) A method of selectively switching between two different voltage supplies supplying a common node, a first of said voltage supplies being coupled to said common node by a first switch and a second of said voltage supplies being coupled to said common node by a second switch, said method comprising the steps of:

(a) receiving a request to switch between said first and second voltage supplies;

(b) gradually removing one of said voltage supplies coupled to said common node;

(c) gradually applying an other of said voltage supplies;  
and

(d) filtering a signal at said common node for detecting noise.

8. (Currently Amended) ~~A method as defined in claim 7,~~  
method of selectively switching between two different voltage  
supplies supplying a common node, a first of said voltage  
supplies being coupled to said common node by a first switch and  
a second of said voltage supplies being coupled to said common  
node by a second switch, said method comprising the steps of:

(a) receiving a request to switch between said first and  
second voltage supplies;

(b) gradually removing one of said voltage supplies coupled  
to said common node;

(c) gradually applying an other of said voltage supplies;

(d) filtering a signal at said common node for detecting  
noise; and

~~further comprising the step of:~~

adjusting a rate of at least one of said step (b) and said  
step (c) in response to said signal being filtered, for reducing  
said noise being detected.

9. (Original) A method as defined in claim 8, wherein said  
first and second voltage supplies are gradually applied and  
removed over a period of one half of a ring cycle.

10. (Original) A method as defined in claim 8, wherein said step of gradually applying said other of said voltage supplies does not begin until said step of gradually removing said one of said voltage supplies is complete.

11. (Original) A method as defined in claim 10, wherein said step of gradually removing said one of said voltage supplies is complete when a predefined target is achieved.

12. (Original) A method as defined in claim 11, wherein said predefined target corresponds to a complete removal of said one of said voltage supplies.

13. (Original) A method as defined in claim 10, wherein said first voltage supply is an alternating current (AC) voltage supply and said second voltage supply is a direct current (DC) voltage supply.

14. (Original) A method as defined in claim 13, wherein said step of gradually removing said one of said voltage supplies comprises gradually turning off one of said first and second switches that is associated therewith.

15. (Original) A method as defined in claim 13, wherein said step of gradually applying said one of said voltage supplies comprises gradually turning on one of said first and second switches that is associated therewith.

16. (Original) A method as defined in claim 13, wherein a feedback network for filtering said signal is enabled for switching to said AC voltage supply and disabled after switching to said DC voltage supply.

17. (Original) A method as defined in claim 13, wherein a feedback signal is used for adjusting a rate at which said AC voltage supply is applied and removed from said common node.

18. (Original) A method as defined in claim 8, further comprising the step of:

gradually disabling a filter used for said step of filtering.

19. (Original) A method as defined in claim 18, wherein said filter is gradually disabled after switching from an AC voltage supply to a DC voltage supply and back.

20. (Original) A method as defined in claim 18, wherein said filter is gradually disabled after each switch between said first and second voltage supplies.